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NEW LITERATURE ON COMMUNICATIONS PROBLEMS

Vestnik Svyazi [Communications Herald], No 9, 1955, Moscow, inside back cover

Unsigned Article

Agafonov, B. S., Teoriya i raschet radiotelefonnykh rezhimov generatornykh lamp [Theory and Computation of Radio Telephonic Duties of Generator Tubes], 1955, Moscow, "Sovetskoye Radio" publishing house, 548 pages, one appendix, 16.25 rubles

The book is devoted to problems of the theory and computation of the duties of generator tubes, main attention being paid to the fundamentals and methods of computing radio-telephone duties. Examined in it are all kinds of modulation and amplification of modulated oscillations; reference material is cited on generator and modulator tubes. The book is intended for radio specialists and for students and teachers at higher technical institutes and technical colleges.

Berg, A. I. Sovremennaya Radioelektronika i perspektivy yeye razvitiya [Modern Radio Electronics and Prospects of Its Development], 1955, Moscow-Leningrad, Gosenergoizdat, 48 pages, Mass Radio Library, No 220, 1.10 rubles

The pamphlet of academician A. I. Berg examines the modern condition and prospects of development of the basic fields of radio electronics. The pamphlet is intended for a wide circle of readers who are interested in questions of radio technology and electronics, beginning with skilled radio amateurs and ending with specialists.

Brankovskiy, V. I., Zhelezobetonnyye pristavy na liniyakh svyazi [Reinforced Concrete Abutments on Communication Lines], 1955, Moscow, Svyaz'izdat, 12 pages, 15 kopeks

The author of the pamphlet, chief of the Ashkhabad line technical center, discusses the experience accumulated at the center in the making of reinforced concrete abutments for aerial lines of communication.

Brenina, V. V., Minakova, A. G., and Yas'kova, N. T., Nash opyt raboty na apparate Bode [Our Experience in Operating a Baudot Set], 1955, Moscow, Svyaz'izdat, 31 pages, 45 kopeks

The authors of the pamphlet share their experience on a Baudot set, telling how to master the art of transmission and reception of telegrams and the methods that facilitate excellent fulfillment of each job operation.

Kozlovskiy, A. S., Ustanovka antenn na kryshakh [Installation of Antennae on Roofs], 1955, Moscow-Leningrad, Gosenergoizdat, 48 pages, Mass Radio Library, No 219, 1.15 rubles

Methods are described of installing radio receiving and television antennae on various roofs and advice is given on bracing the uprights and guys of the antennae, and on hydroinsulation of the place where the support structures and bolts are fastened to the roofing. The pamphlet is intended for a wide circle of radio amateurs and antenna fitters.

STAT

Kuznetsov, M. I., Luchshaya brigada pochtal'onov [The Best Brigade of Mail Carriers], 1955, Moscow, Svyaz'izdat, 24 pages, 35 kopeks

The pamphlet describes the work of the mail carrier collective of the Tenth City Branch of Communications in the city of Penza, which was awarded the honorary title "Best Brigade of Mail Carriers" for having fulfilled all conditions in excellent service to the population, enterprises, institutions, and organizations. The brigade has held this title 56 months.

Kuzyk, D. F., Otyskaniye povrezhdeniy na podzemnykh liniyakh radiofikatsii [Finding Damage in Underground Lines of Radiofication], 1955, Moscow, Svyaz'izdat, 44 pages, 55 kopeks

The author, senior engineer of the Drogobychska DRTS, relates in detail the advanced experience accumulated by this management in the operation of underground cable lines. The pamphlet describes devices that facilitate the finding of damage, and indicates the most expedient methods that contribute to the quickest finding and elimination of these damages.

Mazel', K. B. Stabilizatory napryazheniya i toka [Equalizers of Voltages and Currents], 1955, Moscow-Leningrad, Gosenergoizdat, 135 pages, Mass Radio Library, No 218, 3 rubles

The book describes basic circuits of voltage and current equalizers. Formulas and examples are cited for computing electromagnetic equalizers, equalizers with baretters and glow discharge tubes, electronic equalizers of voltages and currents, and also rectifiers. The book is intended for the prepared radio amateur.

Neyman, M. S. Obobshcheniye teorii tsepey na volnovyye sistemy [Generalization of Theory of Circuits in Wave Systems], 1955, Moscow-Leningrad, Gosenergoizdat, 192 pages, 5.50 rubles

The book systematically expounds questions of the generalization of the theory of circuits in wave electromagnetic systems and questions of applying generalized theory to vibrating, wave-guide and radiating systems of the decimeter, centimeter, and millimeter range of waves. The book is intended for engineers and physicists who work in the field of the radio technology of superhigh frequencies, and also for students of senior courses, teachers, and postgraduate students of radio technical and radio physical faculties and specialties.

Opyt obsluzhivaniya mezhdugorodnykh kabel'nykh magistraliy svyazi [Experience in Servicing Interurban Main Cable Lines of Communications], 1955, Moscow, Svyaz'izdat, 68 pages, Ministry of Communications USSR, Main Administration of Interurban Telegraph-Telephone Communications, free

The pamphlet is devoted to the exchange of experience in maintaining interurban cable communication lines free of breakdown. Considered in it also are certain questions of operating cable main lines and separate rationalization proposals of cable men are described.

Solntsev, B. K., Eksploatatsiya p'ezokvartsevykh rezonatorov i vzbuditeley [Operation of Piezo-quartz Resonators and Exciters], 1955, Moscow, Svyaz'izdat, 68 pages, appendix one, Ministry of Communications USSR, Technical Administration, lecture on the Technology of Communications, 2.10 rubles

STAT

The purpose of the lecture is to give the workers of radio stations knowledge of the main characteristics and parameters of quartz resonators and generators. The lecture examines questions of the stability of frequency and the effect of the parameters on the stability of frequency, sets forth the requirements for selection of duties and parameters of generators, and describes practical methods of controlling the frequency of excitors.

Tekhnika televideniya [The Technology of Television], No 6 (12), 1955, Moscow-Leningrad, Gosenergoizdat, 72 pages, one appendix, Ministry of Radio Technical Industry USSR, free

The articles in the collection are: L. D. Aksenova and I. I. Tsukerman, "Electronic Optical Scaling in Transmitting Tubes"; V. P. Mandrazhi, "About Diffraction of Cylindrical Electromagnetic Waves from an Ideally Conducting Elliptical Cylinder" and "Connection between Theory of Diffraction and Diagrams of the Directedness of Complex Antennae"; V. I. Bunimovich, "Simplified Analyzer of the Spectrum of Interference"; A. D. Artym "On the Theory of Grid Limiters."

Khalfin, A. M., Osnovy televizionnoy tekhniki [Foundations of Television Technology], 1955, Moscow, "Sovetskoye Radio" publishing house, 580 pages, 10 appendixes, 20.90 rubles

The book's contents embrace questions of the arrangement and operation of elements of the receiving-transmitting line of modern systems of TV. Set forth are general principles of television, information on the properties of vision, light and electronic optics, the photo-electronic effect. The theory and computation of video amplifiers are discussed and the arrangement and action of receiving and transmitting tubes, receivers, and transmitters of modern TV systems are described. A concluding chapter is devoted to color television. The book is intended for engineers, technicians, and advanced radio amateurs and can also be used as a textbook for students of secondary and higher educational institutions.

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